

REMARKS

Reconsideration of the present application, as amended, is respectfully requested.

By means of the present amendment, the current Abstract and the specification have been amended for better conformance to U.S. practice, as well as correction of certain informalities in the specification.

In the Office Action, the Examiner objected to the specification for lacking headings. Applicants respectfully decline to add the headings as they are not required in accordance with MPEP §608.01(a). Accordingly, withdrawal of the objection to the specification is respectfully requested.

The Examiner indicated that the title of the invention was not sufficiently descriptive, and required a new title. In response, the current title has been deleted and substituted with a new title which is clearly indicative of the invention to which the claims are directed. Accordingly, withdrawal of the objection to the title is respectfully requested.

By means of the present amendment, claims 1-9 have been

amended for better conformance to U.S. practice, such as deleting reference numerals typically used in European practice that are known to not limit the scope of the claims. Claims 1-9 were not amended in order to address issues of patentability and Applicants respectfully reserve all rights under the Doctrine of Equivalents. Applicants furthermore reserve the right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

In the Office Action, claims 1-9 were rejected under 35 U.S.C. §102(a) as being anticipated by an Article entitled "Transpose Memory for Video Rate JPEG Compression on Highly Parallel Single-Chip Digital CMOS Imager" (Hsieh). In response, claims 1 and 9 have been amended and new claims 10-20 have been added. It is respectfully submitted that claims 1-20 are patentable over Hsieh for at least the following reasons.

Hsieh is directed to parallel processing system that includes a transpose switch matrix memory, where Bayer pattern filtering may be performed.

On page 7 of the Office Action, section 2 of Hsieh is cited in rejecting claim 8. It is respectfully submitted that a careful

review of this section of Hsieh indicates that there is no teaching or suggestion of the present invention as recited in amended independent claims 1 and 9, as well as new independent claim 12, which require amongst other patentable features:

wherein a number of columns of the sensor array corresponding to different colors are shared by a same processor of said processor array.


This feature is nowhere taught or suggested in Hsieh. Accordingly, it is respectfully submitted that independent claims 1, 9 and 12 are allowable, and allowance thereof is respectfully requested. In addition, it is respectfully submitted that claims 2-8, 10-11 and 13-20 should also be allowed at least based on their dependence from independent claims 1, 9 and 12.

In addition, Applicants deny any statement, position or averment of the Examiner that is not specifically addressed by the foregoing argument and response. Any rejections and/or points of argument not addressed would appear to be moot in view of the presented remarks. However, the Applicants reserve the right to submit further arguments in support of the above stated position, should that become necessary. No arguments are waived and none of the Examiner's statements are conceded.

It is believed that no additional fees or charges are currently due. However, in the event that any additional fees or charges are required for entrance of the accompanying amendment, they may be charged to applicant's representatives Deposit Account No. 50-3649. In addition, please credit any overpayments related to any fees paid in connection with the accompanying amendment to Deposit Account No. 50-3649.

In view of the above, it is respectfully submitted that the present application is in condition for allowance, and a Notice of Allowance is earnestly solicited.

Respectfully submitted,

By   
Dicran Halajian, Reg. 39,703  
Attorney for Applicant(s)  
November 29, 2005

Enclosure: Replacement Abstract

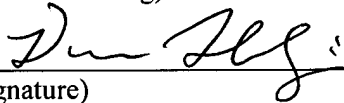
**THORNE & HALAJIAN, LLP**  
Applied Technology Center  
111 West Main Street  
Bay Shore, NY 11706  
Tel: (631) 665-5139  
Fax: (631) 665-5101

CERTIFICATE OF MAILING

It is hereby certified that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to:

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

On Nov. 29, 2005  
(Date of Mailing)

By   
(Signature)